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1 [Image and cultural digital libraries: Time as essence for photo browsing through personal digital libraries](#)



Adrian Graham, Hector Garcia-Molina, Andreas Paepcke, Terry Winograd

July 2002 **Proceedings of the second ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(3.39 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We developed two photo browsers for collections with thousands of time-stamped digital images. Modern digital cameras record photo shoot times, and semantically related photos tend to occur in bursts. Our browsers exploit the timing information to structure the collections and to automatically generate meaningful summaries. The browsers differ in how users navigate and view the structured collections. We conducted user studies to compare the two browsers and an un-summarized image browser. Our r ...

Keywords: ACDSee, burst identification, image browser, personal digital library, photo browser, summarization, time-based clustering, time-based navigation

2 [Locating and accessing data repositories with WebSemantics](#)



George A. Mihaila, Louiqa Raschid, Anthony Tomasic

August 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 1

Full text available: pdf(130.61 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Many collections of scientific data in particular disciplines are available today on the World Wide Web. Most of these data sources are compliant with some standard for interoperable access. In addition, sources may support a common semantics, i.e., a shared meaning for the data types and their domains. However, sharing data among a global community of users is still difficult because of the following reasons: (i) data providers need a mechanism for describing and publishing available sources of ...

Keywords: Data discovery, Data integration, Mediators, Query languages, World Wide Web, XML

3 [Books and reading: A document corpus browser for in-depth reading](#)



Eric Bier, Lance Good, Kris Popat, Alan Newberger

June 2004 **Proceedings of the 2004 joint ACM/IEEE conference on Digital libraries**

Full text available: pdf(164.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Software tools, including Web browsers, e-books, electronic document formats, search engines, and digital libraries are changing the way people read, making it easier for them to find and view documents. However, while these tools provide significant help with short-term

reading projects involving small numbers of documents, they provide less help with longer-term reading projects, in which a topic is to be understood in depth by reading many documents. For such projects, readers must find and m ...

Keywords: bookplex, computer-aided reading, digital library, document management, spatial memory, visualization, zoomable user interface

4 A software system for automatic alburning of consumer pictures



Alexander C. Loui, Mark D. Wood

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 2)**

Full text available:  pdf(428.35 KB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

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